

Notice of Allowability

Application No.

09/417,990

Examiner

Adam M. Queler

Applicant(s)

LOVETT ET AL.

Art Unit

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment of 08/03/2006.
2. ☒ The allowed claim(s) is/are 31-35,37,38,40-47,49 and 50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Steve Siu on 8/7/2006.

The application has been amended as follows:

Cancel claim 30

In claim 31, line 1, replace "method of claim 30, wherein the converting comprises" with "method of claim 40, wherein the converting further comprises"

In claim 32, line 1; replace "method of claim 30" with "method of claim 40"

In claim 32 line 2; replace "one or more of the tables that define" with "the static table, the static table defining"

In claim 33, line 2; replace "method of claim 30" with "method of claim 40"

In claim 34, line 1; replace "An architecture" with "A computer implemented with an architecture"

In claim 34, line 6, replace "DTE" with "DTD"

In claim 34, line 7; replace "objects;" with "objects;
wherein the converter further obtains a parameter from a static table and calls a function to construct a DTD object based on the schema element, the function constructing the DTD object based on the parameter from the static table.

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In claim 35, line 1; replace “architecture of claim 34, further comprising” with “computer of claim 34, wherein the architecture further comprises”

Cancel claim 36

In claim 37, line 5; replace “implementing the architecture” with “comprising the computer”

In claim 38, line 1; replace “architecture of claim 34, further comprising” with “computer of claim 34, wherein the architecture further comprises”

Cancel claim 39

In claim 40, line 1; replace “The method of claim 30” with “A method for processing an extensible mark up language (XML) document comprising:

parsing the XML document into a stream of schema elements and data elements;

receiving the stream of schema elements using an API;

converting the stream of schema elements into data type definition (DTD) objects;

validating the stream of data elements using the DTD objects; and

if valid, passing the stream of data elements to an application using the API;”

In claim 47, line 1; replace “The method of claim 30” with “The method of claim 40”

In claim 47, replace lines 2-4 in their entirety with “wherein the function includes:”

Cancel claim 48

In claim 49, line 1; replace “architecture of claim 48” with “computer of claim 34”

In claim 50, line 1; “The architecture of claim 34” with “A computer implemented with an architecture for processing an extensible mark up language (XML) document comprising:

a parser to parse the XML document into a stream of elements including a stream of schema elements and a stream of data elements;

a converter to convert the stream of schema elements into data type definition (DTD) objects using an API and to validate the stream of data elements using the DTD objects; and

a schema node factory to pass valid data elements to an application using the API;"

2. The following is an examiner's statement of reasons for allowance: The earliest reference found converting Schemas to DTD's lacks a specific implementation such as that found in the newly added claims.

Conclusion

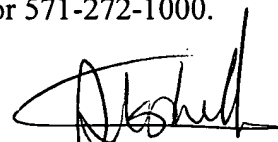
3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam M. Queler whose telephone number is (571) 272-4140. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



STEPHEN HONG
SUPERVISORY PATENT EXAMINER

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